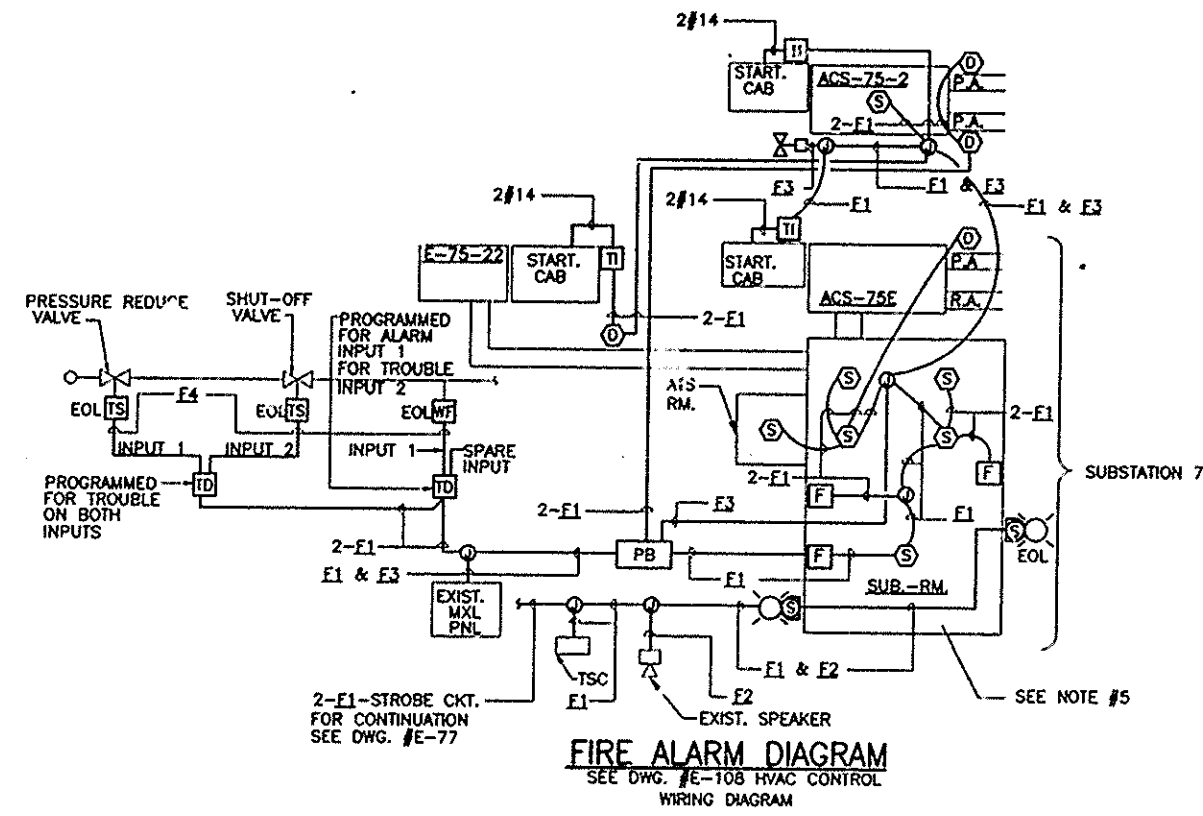
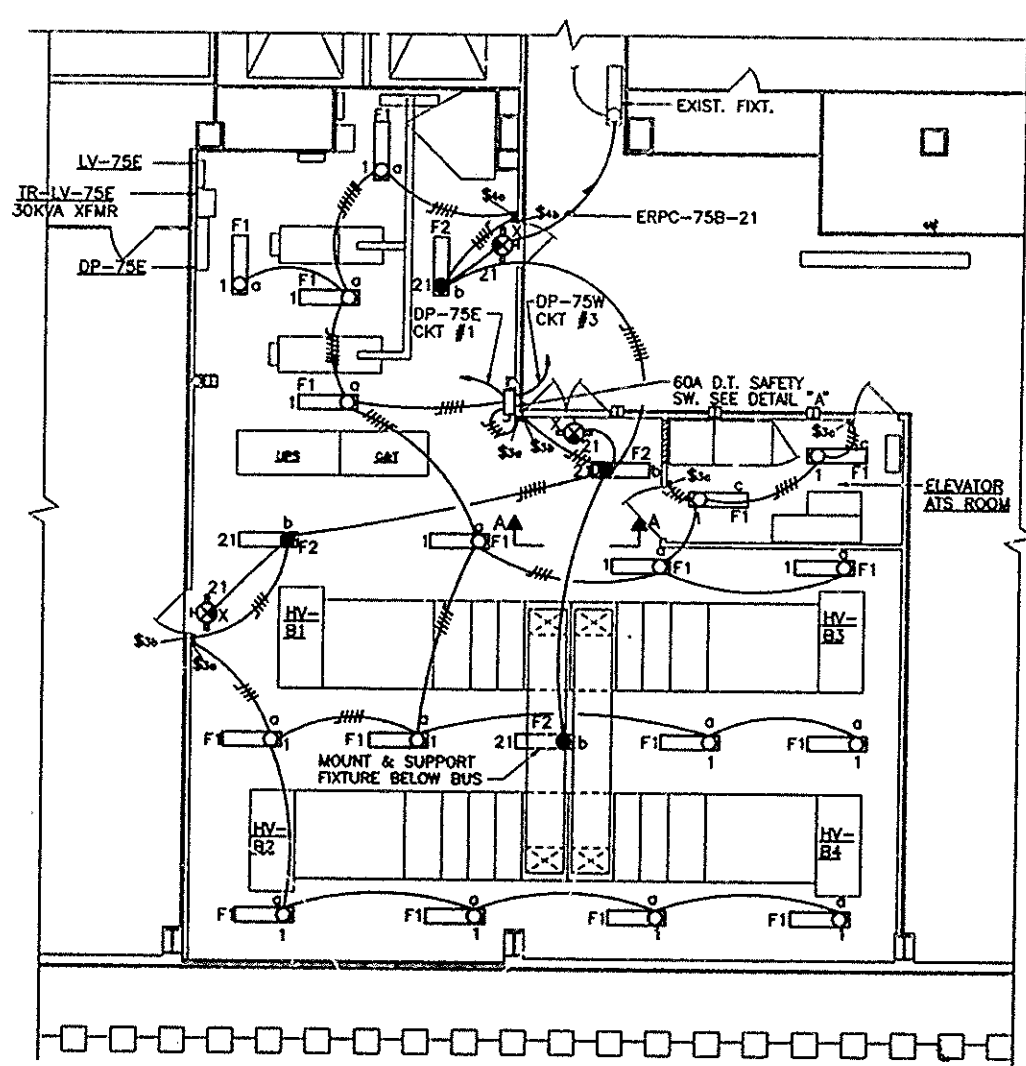


PLAN-SUBSTATION SS-75E
FIRE ALARM PLAN-STAGE I & III, POWER PLAN-STAGE III



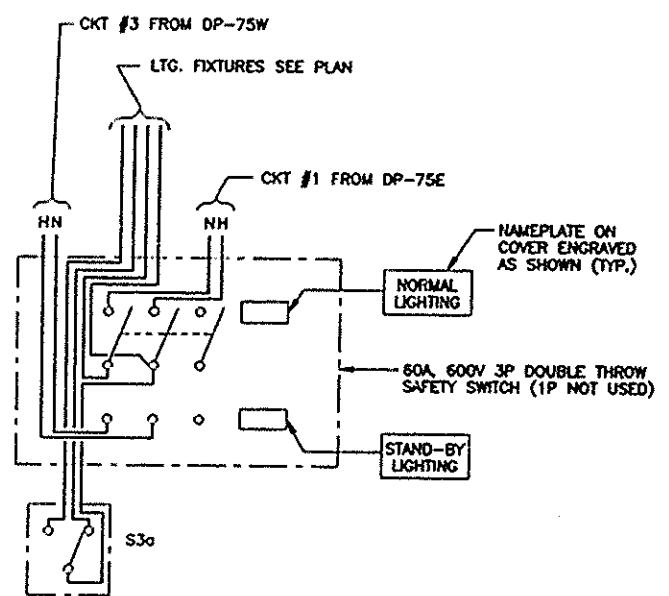
FIRE ALARM DIAGRAM
SEE DWG. #E-108 HVAC CONTROL
WIRING DIAGRAM



PLAN-SUBSTATION SS-75E
LIGHTING PLAN - STAGE III

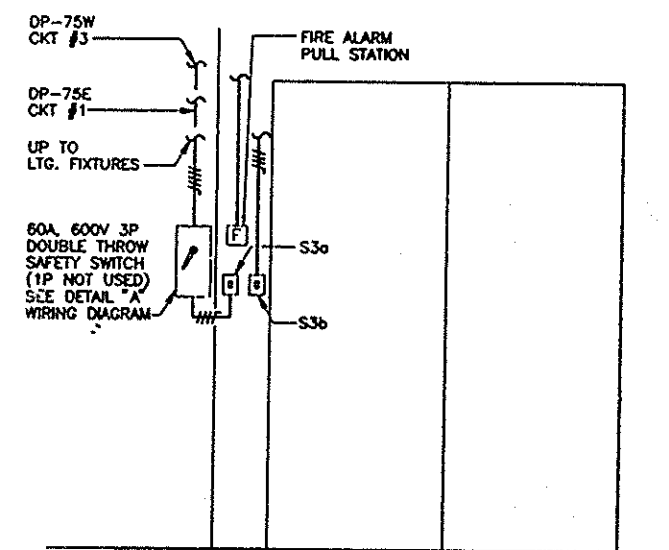
NOTES

- FOR LEGEND SEE DRAWING #E-1.
FOR GENERAL NOTES, ABBREVIATIONS AND LIGHTING FIXTURE SCHEDULE SEE DRAWING #E-2.
- FOR PANEL DP-75E AND LV-75E SCHEDULES SEE DRAWING #E-102.
- MOUNT EXIT LIGHT SUCH THAT BOTTOM EDGE OF FIXTURE IS 12" ABOVE TOP OF DOOR.
- IN STAGE I - INSTALL AC UNITS SMOKE DETECTORS WITH ASSOCIATED WIRING.
- IN STAGE III - REMOVE EXISTING SUBSTATION'S AREA SMOKE DETECTORS, PULLSTATIONS, STROBE HORN UNITS. (SEE DWG. #E-79) INSTALL NEW AREA SMOKE DETECTORS, PULL STATIONS, STROBE SPEAKER UNITS IN SUBSTATION AND ELEVATOR A.T.S. ROOM.



DETAIL "A"
WIRING DIAGRAM

NOTE
GROUND WIRE REQUIRED FOR ABOVE
INSTALLATION WAS NOT SHOWN.



SECTION A-A

I HEREBY CERTIFY THAT THIS IS A TRUE AND CORRECT COPY OF ONE OF THE CONTRACT DRAWINGS CONSTITUTING A PART OF CONTRACT NO. WTC-802.071 IN THE FORM IN WHICH SAID DRAWINGS EXISTED AT THE TIME THE SAID CONTRACT WAS EXECUTED BY THE PARTIES.

DATE 6/21/95 *Sullivan A. Adams*
DATE 8/15/95 *Peter K. Sweeney*
SPEC. WRITER
ENGINEER OF DESIGN

0 4 8 12 16
SCALE IN FEET

Sheet 178 of 224



THE PORT AUTHORITY
OF NEW YORK AND NEW JERSEY

Peter K. Sweeney
ENGINEERING PROGRAM MANAGER
WORLD TRADE CENTER
CHIEF ELECTRICAL ENGINEER

Engineering Department
Design Divisions
The World Trade Center
Electrical/HVAC
Upgrade Program

TITLE
TOWER ONE AND TWO
LOW VOLTAGE
SUBSTATIONS
CONSTRUCTION AND
INSTALLATION
ELECTRICAL
SUBSTATION SS-75E
STAGE III
LIGHTING POWER &
FIRE ALARM PLAN

No.	Date	Revision	Approved
1	8-1-95		

This drawing subject to conditions in contract. All inventions, ideas, designs and methods herein are reserved to Port Authority and may not be used without its written consent.

DESIGNED BY	DRAWN BY	CHECKED BY
ROYZMAN	ROYZMAN	A.S.

Date 8-1-95 Scale AS NOTED
Contract Number Drawing Number
WTC 802.071 E-92